

- 6 -

## Abstract

An improved method and apparatus for recreating spatially natural soundfields in a variety of listening environments is disclosed. The apparatus includes a speaker cabinet that contains multiple drivers each driven so as to effect an overall radiation pattern that mimics the soundfield pattern described by a B-format signal vector. This apparatus allows natural or synthetic soundfields to be played back from a relatively small mechanical speaker structure, providing the benefits of multichannel sound without a cumbersome arrangement of individual speaker cabinets.